

**Table 23. Energy Consumption Estimates by Source, Selected Years 1960-1997, Alaska**

Year	Coal <sup>a</sup> Thousand Short Tons	Natural Gas <sup>b</sup> Billion Cubic Feet	Petroleum											Nuclear Electric Power	Hydro-electric Power <sup>d</sup>	Biomass <sup>e</sup>	Other <sup>a,f</sup>	Net Inter-state Flow of Electricity/Losses <sup>g</sup>	Total <sup>h</sup>	
			Asphalt & Road Oil <sup>a</sup>	Aviation Gasoline <sup>a</sup>	Distillate Fuel <sup>a</sup>	Jet Fuel <sup>a</sup>	Kero-sene <sup>a</sup>	LPG <sup>a</sup>	Lubri-cants <sup>a</sup>	Motor Gasoline	Residual Fuel <sup>a</sup>	Other <sup>a,c</sup>	Total					Million kWh		Million kWh
			Thousand Barrels															Million kWh		Million kWh
1960	376	2	47	1,032	2,636	1,972	90	46	7	1,657	711	0	8,197	0	290	-	-	0	-	
1965	525	8	132	293	3,788	3,005	10	91	41	2,450	881	284	10,975	0	350	-	-	0	-	
1970	740	64	274	462	5,100	6,735	33	151	60	2,621	1,020	523	16,979	0	363	-	-	0	-	
1975	868	85	319	466	7,090	7,420	123	211	145	4,179	1,075	771	21,800	0	357	-	-	0	-	
1980	273	153	309	498	6,677	9,618	19	191	115	3,676	371	1,446	22,919	0	539	-	-	0	-	
1985	733	213	485	490	10,356	15,231	7	331	104	5,638	3,072	5,761	41,475	0	748	-	-	0	-	
1986	769	206	373	617	7,549	16,187	4,985	268	102	5,425	7,081	4,828	47,417	0	809	-	-	0	-	
1987	274	249	257	208	8,006	14,850	4,792	271	115	5,205	3,406	4,329	41,438	0	872	-	-	0	-	
1988	276	288	698	407	8,582	16,899	192	277	111	5,319	713	5,181	38,380	0	935	-	-	0	-	
1989	299	322	274	491	11,055	18,586	2	278	114	5,079	348	4,683	40,911	0	NA	-	-	0	-	
1990	784	343	269	491	11,592	17,367	3	384	117	5,854	429	4,582	41,088	0	NA	-	-	0	-	
1991	802	367	259	618	9,805	17,116	8	402	105	5,108	593	2,312	36,326	0	NA	-	-	0	-	
1992	792	383	264	459	10,408	14,720	1	393	107	5,881	765	3,377	36,376	0	NA	-	-	0	-	
1993	863	378	43	410	9,354	14,693	5	238	109	5,976	728	3,028	34,584	0	NA	-	-	0	-	
1994	796	367	66	171	8,027	16,080	11	252	114	6,542	728	3,375	35,366	0	NA	-	-	0	-	
1995	815	430	83	389	10,378	16,921	1	272	112	7,148	754	3,195	39,253	0	NA	-	-	0	-	
1996	706	448	26	142	8,552	18,652	1	247	109	6,735	912	4,138	39,515	0	NA	-	-	0	-	
1997	740	425	55	407	9,936	21,099	1	250	115	6,312	867	4,104	43,145	0	NA	-	-	0	-	

  

Trillion Btu																			
1960	7.2	2.0	0.3	5.2	15.4	10.6	0.5	0.2	(s)	8.7	4.5	0.0	45.4	0.0	3.1	R 3.7	0.0	0.0	R 61.4
1965	9.9	7.7	0.9	1.5	22.1	16.5	0.1	0.4	0.3	12.9	5.5	1.7	61.7	0.0	3.7	R 4.9	0.0	0.0	R 87.8
1970	13.2	64.0	1.8	2.3	29.7	37.7	0.2	0.6	0.4	13.8	6.4	3.1	96.0	0.0	3.8	R 5.0	0.0	0.0	R 182.0
1975	15.3	85.2	2.1	2.4	41.3	41.7	0.7	0.8	0.9	22.0	6.8	4.6	123.1	0.0	3.7	R 4.9	0.0	0.0	R 232.2
1980	4.3	153.8	2.1	2.5	38.9	54.0	0.1	0.7	0.7	19.3	2.3	8.7	129.3	0.0	5.6	R 3.0	0.0	0.0	R 296.1
1985	11.6	214.0	3.2	2.5	60.3	85.8	(s)	1.2	0.6	29.6	19.3	34.3	236.9	0.0	7.8	R 3.7	(s)	0.0	R 474.1
1986	12.1	208.3	2.5	3.1	44.0	91.2	28.3	1.0	0.6	28.5	44.5	29.1	272.8	0.0	8.4	R 2.2	0.0	0.0	R 503.9
1987	4.3	251.5	1.7	1.0	46.6	83.6	27.2	1.0	0.7	27.3	21.4	26.0	236.6	0.0	9.1	R 2.9	0.0	0.0	R 504.4
1988	4.4	288.8	4.6	2.1	50.0	95.2	1.1	1.0	0.7	27.9	4.5	30.8	217.9	0.0	9.7	R 3.0	0.0	0.0	R 523.7
1989	4.7	321.2	1.8	2.5	64.4	104.7	(s)	1.0	0.7	26.7	2.2	27.8	231.8	0.0	i 9.1	R i 4.5	R i 0.1	0.0	R i 571.4
1990	12.4	326.8	1.8	2.5	67.5	97.9	(s)	1.4	0.7	30.8	2.7	27.2	232.5	0.0	10.1	R 4.8	R 0.1	0.0	R 586.8
1991	12.7	368.0	1.7	3.1	57.1	96.1	(s)	1.5	0.6	26.8	3.7	14.1	204.9	0.0	R 9.4	R 5.0	R 0.1	0.0	R 599.9
1992	12.5	383.9	1.8	2.3	60.6	82.9	(s)	1.4	0.6	30.9	4.8	20.3	205.7	0.0	9.5	R 5.2	R 0.1	0.0	R 616.8
1993	13.6	376.0	0.3	2.1	54.5	83.2	(s)	0.9	0.7	31.4	4.6	18.4	196.0	0.0	13.4	R 4.5	R 0.1	0.0	R 603.5
1994	12.6	367.6	0.4	0.9	46.8	91.2	0.1	0.9	0.7	34.4	4.6	20.4	200.2	0.0	13.9	R 4.2	R 0.1	0.0	R 598.5
1995	12.9	432.8	0.5	2.0	60.5	95.9	(s)	1.0	0.7	37.5	4.7	19.3	222.2	0.0	14.1	R 5.9	R 0.1	0.0	R 687.4
1996	11.2	443.6	0.2	0.7	49.8	105.8	(s)	0.9	0.7	35.4	5.7	24.9	224.0	0.0	13.1	R 6.0	R 0.1	0.0	R 697.2
1997	11.7	425.4	0.4	2.1	57.9	119.6	(s)	0.9	0.7	33.2	5.4	24.6	244.8	0.0	11.3	4.5	0.1	0.0	697.3

<sup>a</sup> The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the "Additional Notes" under each type of energy in Appendix A.

<sup>b</sup> Includes supplemental gaseous fuels.

<sup>c</sup> "Other" is the subtotal of 16 petroleum products consumed in the industrial sector. See a full description in Appendix A, Section 4, "Other Petroleum Products."

<sup>d</sup> If applicable, through 1988, includes all net imports of electricity, and, from 1989, includes only the portion of imports of electricity that is derived from hydroelectric power.

<sup>e</sup> "Biomass" is wood, waste, and ethanol. Ethanol blended into motor gasoline is included in motor gasoline and total petroleum. It is also included in the biomass series to give complete biomass data, but it is counted only once in the energy total.

<sup>f</sup> "Other" is geothermal, wind, photovoltaic, and solar thermal energy. See Appendix A, Section 5, for explanation of estimation methodology.

<sup>g</sup> Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number

indicates that more electricity (including associated losses) came into the State than went out of the State during the year; conversely, a negative number indicates that more electricity (including associated losses) went out of the State than came into the State.

<sup>h</sup> From 1989, "Total" does not equal the sum of the columns. Ethanol (which is shown in the transportation sector table) is included in both motor gasoline and biomass data in this table but only once in the total. Net imports of electricity generated from nonrenewable energy sources (shown in appendix Table A8) is included in the total in this table but not in any other columns.

<sup>i</sup> There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of non-electric utility use of renewable energy beginning in 1989.

kWh=kilowatt-hours. R=Revised data. - =Not applicable. NA=Not available.

(s)=Btu value less than 0.05 and physical unit value less than 0.5.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Data sources, estimation procedures, and assumptions are described in the appendices to this report.

**Table 24. Residential Energy Consumption Estimates, Selected Years 1960-1997, Alaska**

Year	Coal			Natural Gas <sup>b</sup>	Petroleum				Wood	Geothermal	Solar <sup>c</sup>	Electricity <sup>a</sup>	Net Energy	Electrical System Energy Losses <sup>d</sup>	Total
	Bituminous Coal and Lignite <sup>a</sup>	Anthracite <sup>a</sup>	Total		Distillate Fuel <sup>a</sup>	Kerosene <sup>a</sup>	LPG <sup>a</sup>	Total						Million Kilowatthours	
	Thousand Short Tons				Billion Cubic Feet	Thousand Barrels						Thousand Cords	Million Kilowatthours	Net Energy	
1960	22	0	22	(s)	866	0	36	902	R 90	-	-	151	-	539	-
1965	12	0	12	1	1,110	10	77	1,197	R 80	-	-	292	-	1,139	-
1970	8	0	8	6	1,362	19	77	1,458	R 65	-	-	527	-	2,073	-
1975	6	0	6	10	1,621	91	69	1,781	R 71	-	-	898	-	3,227	-
1980	0	0	0	8	1,172	0	58	1,231	R 63	-	-	1,092	-	4,397	-
1985	153	0	153	13	1,310	1	192	1,503	R 83	-	-	1,674	-	4,834	-
1986	174	0	174	12	1,065	1	152	1,217	R 81	-	-	1,625	-	4,638	-
1987	0	0	0	12	1,614	1	157	1,772	R 118	-	-	1,548	-	4,006	-
1988	0	0	0	13	1,285	3	167	1,456	R 122	-	-	1,590	-	4,075	-
1989	0	0	0	14	1,518	1	198	1,717	R 127	-	-	1,643	-	4,306	-
1990	173	0	173	14	1,745	3	300	2,048	109	-	-	1,661	-	R 4,429	-
1991	176	0	176	14	1,597	8	323	1,928	R 114	-	-	1,603	-	R 3,918	-
1992	180	0	180	14	1,606	1	319	1,925	R 120	-	-	1,640	-	3,599	-
1993	197	0	197	14	1,277	1	192	1,470	R 97	-	-	1,629	-	3,958	-
1994	182	0	182	15	1,254	10	151	1,416	R 95	-	-	1,688	-	R 4,019	-
1995	183	0	183	15	1,494	(s)	157	1,650	R 106	-	-	1,713	-	R 4,108	-
1996	166	0	166	16	1,312	(s)	195	1,507	R 106	-	-	1,766	-	4,186	-
1997	176	0	176	15	1,453	(s)	195	1,648	77	-	-	1,726	-	4,188	-

**Trillion Btu**

1960	0.4	0.0	0.4	0.2	5.0	0.0	0.1	5.2	R 1.8	0.0	0.0	0.5	R 8.1	1.8	R 10.0
1965	0.2	0.0	0.2	1.5	6.5	0.1	0.3	6.8	R 1.6	0.0	0.0	1.0	R 11.1	3.9	R 15.0
1970	0.1	0.0	0.1	6.2	7.9	0.1	0.3	8.3	R 1.3	0.0	0.0	1.8	R 17.8	7.1	R 24.9
1975	0.1	0.0	0.1	10.4	9.4	0.5	0.3	10.2	R 1.4	0.0	0.0	3.1	R 25.2	11.0	R 36.2
1980	0.0	0.0	0.0	7.9	6.8	0.0	0.2	7.0	R 1.3	0.0	0.0	3.7	R 20.0	15.0	R 35.0
1985	2.4	0.0	2.4	13.3	7.6	(s)	0.7	8.3	R 1.7	0.0	0.0	5.7	R 31.5	16.5	R 48.0
1986	2.7	0.0	2.7	12.2	6.2	(s)	0.6	6.8	R 1.6	0.0	0.0	5.5	R 28.9	15.8	R 44.7
1987	0.0	0.0	0.0	12.4	9.4	(s)	0.6	10.0	R 2.4	0.0	0.0	5.3	R 30.0	13.7	R 43.7
1988	0.0	0.0	0.0	12.6	7.5	(s)	0.6	8.1	R 2.4	0.0	0.0	5.4	R 28.6	13.9	R 42.5
1989	0.0	0.0	0.0	13.6	8.8	(s)	0.7	9.6	R 2.5	e (s)	R e (s)	5.6	R e 31.3	14.7	R e 46.0
1990	2.7	0.0	2.7	13.4	10.2	(s)	1.1	11.3	2.2	(s)	(s)	5.7	35.3	15.1	50.4
1991	2.8	0.0	2.8	13.6	9.3	(s)	1.2	10.5	2.3	(s)	(s)	5.5	34.7	13.4	48.0
1992	2.8	0.0	2.8	14.4	9.4	(s)	1.2	10.5	2.4	(s)	(s)	5.6	R 35.8	12.3	48.0
1993	3.1	0.0	3.1	13.8	7.4	(s)	0.7	8.1	R 1.9	(s)	(s)	5.6	R 32.5	13.5	R 46.0
1994	2.9	0.0	2.9	14.9	7.3	0.1	0.5	7.9	R 1.9	(s)	(s)	5.8	33.4	13.7	47.1
1995	2.9	0.0	2.9	15.3	8.7	(s)	0.6	9.3	R 2.1	(s)	(s)	5.8	35.5	14.0	49.5
1996	2.6	0.0	2.6	16.0	7.6	(s)	0.7	8.3	R 2.1	(s)	(s)	6.0	R 35.1	14.3	R 49.4
1997	2.8	0.0	2.8	15.1	8.5	(s)	0.7	9.2	1.5	(s)	(s)	5.9	34.5	14.3	48.8

<sup>a</sup> The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the "Additional Notes" under each type of energy in Appendix A.

<sup>b</sup> Includes supplemental gaseous fuels.

<sup>c</sup> Includes small amounts of solar energy consumed by the commercial sector that cannot be separately identified. See Appendix A, Section 5, for explanation of estimation methodology.

<sup>d</sup> Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

<sup>e</sup> There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of

non-electric utility use of renewable energy beginning in 1989.

R=Revised data.

- =Not applicable.

(s)=Btu value less than 0.05 and physical unit value less than 0.5.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Data sources, estimation procedures, and assumptions are described in the appendices to this report.

**Table 25. Commercial Energy Consumption Estimates, Selected Years 1960-1997, Alaska**

Year	Coal			Natural Gas <sup>b</sup>	Petroleum						Wood	Geothermal	Electricity <sup>a</sup>	Net Energy	Electrical System Energy Losses <sup>c</sup>	Total <sup>d</sup>		
	Bituminous Coal and Lignite <sup>a</sup>	Anthracite <sup>a</sup>	Total		Distillate Fuel <sup>a</sup>	Kerosene <sup>a</sup>	LPG <sup>a</sup>	Motor Gasoline	Residual Fuel <sup>a</sup>	Total							Thousand Cords	Million Kilowatthours
	Thousand Short Tons				Billion Cubic Feet	Thousand Barrels									Thousand Cords		Million Kilowatthours	Million Kilowatthours
1960	42	0	42	0	268	0	6	130	464	868	R 2	-	99	-	354	-		
1965	22	0	22	2	344	0	14	253	751	1,361	R 2	-	267	-	1,043	-		
1970	15	0	15	13	422	0	14	246	807	1,488	R 1	-	478	-	1,882	-		
1975	11	0	11	14	502	0	12	415	558	1,487	R 1	-	657	-	2,362	-		
1980	0	0	0	17	577	0	10	258	4	849	R 2	-	728	-	2,932	-		
1985	284	0	284	20	926	3	34	268	0	1,231	NA	-	1,898	-	5,480	-		
1986	323	0	323	21	837	4,981	27	200	1,650	7,695	NA	-	1,957	-	5,587	-		
1987	0	0	0	20	1,055	4,791	28	52	1,962	7,887	NA	-	1,894	-	4,901	-		
1988	0	0	0	21	875	189	30	50	310	1,454	NA	-	1,913	-	4,903	-		
1989	0	0	0	22	825	1	35	52	0	912	NA	-	2,048	-	5,366	-		
1990	321	0	321	22	1,176	(s)	53	52	0	1,281	NA	-	2,133	-	R 5,687	-		
1991	328	0	328	21	974	(s)	57	88	0	1,119	NA	-	2,187	-	R 5,346	-		
1992	334	0	334	21	1,376	(s)	56	57	0	1,490	NA	-	2,195	-	4,816	-		
1993	366	0	366	20	1,211	(s)	34	8	0	1,253	R 8	-	2,245	-	5,454	-		
1994	338	0	338	21	1,184	(s)	27	10	0	1,221	R 8	-	2,334	-	R 5,556	-		
1995	340	0	340	25	763	(s)	28	21	0	812	R 8	-	2,372	-	R 5,689	-		
1996	309	0	309	27	804	(s)	34	294	0	1,132	R 9	-	2,429	-	R 5,757	-		
1997	327	0	327	27	744	(s)	34	71	0	850	7	-	2,359	-	5,725	-		
<b>Trillion Btu</b>																		
1960	0.8	0.0	0.8	0.0	1.6	0.0	(s)	0.7	2.9	5.2	(s)	0.0	0.3	6.3	1.2	R 7.6		
1965	0.4	0.0	0.4	2.3	2.0	0.0	0.1	1.3	4.7	8.1	(s)	0.0	0.9	R 11.8	3.6	15.3		
1970	0.3	0.0	0.3	12.6	2.5	0.0	0.1	1.3	5.1	8.9	(s)	0.0	1.6	23.4	6.4	29.8		
1975	0.2	0.0	0.2	14.5	2.9	0.0	(s)	2.2	3.5	8.7	(s)	0.0	2.2	25.6	8.1	R 33.7		
1980	0.0	0.0	0.0	16.6	3.4	0.0	(s)	1.4	(s)	4.8	(s)	0.0	2.5	23.8	10.0	33.8		
1985	4.5	0.0	4.5	20.5	5.4	(s)	0.1	1.4	0.0	6.9	NA	0.0	6.5	38.4	18.7	57.1		
1986	5.1	0.0	5.1	21.1	4.9	28.2	0.1	1.1	10.4	44.6	NA	0.0	6.7	77.5	19.1	96.6		
1987	0.0	0.0	0.0	20.4	6.1	27.2	0.1	0.3	12.3	46.0	NA	0.0	6.5	72.9	16.7	89.6		
1988	0.0	0.0	0.0	20.9	5.1	1.1	0.1	0.3	1.9	8.5	NA	0.0	6.5	35.9	16.7	52.7		
1989	0.0	0.0	0.0	21.7	4.8	(s)	0.1	0.3	0.0	5.2	NA	<sup>e</sup> (s)	7.0	33.9	18.3	52.2		
1990	5.1	0.0	5.1	20.5	6.8	(s)	0.2	0.3	0.0	7.3	NA	(s)	7.3	40.2	19.4	59.6		
1991	5.2	0.0	5.2	20.9	5.7	(s)	0.2	0.5	0.0	6.3	NA	(s)	7.5	39.9	18.2	58.2		
1992	5.3	0.0	5.3	21.3	8.0	(s)	0.2	0.3	0.0	8.5	NA	(s)	7.5	R 42.7	16.4	59.1		
1993	5.8	0.0	5.8	19.9	7.1	(s)	0.1	(s)	0.0	7.2	R 0.2	(s)	7.7	R 40.7	18.6	R 59.3		
1994	5.3	0.0	5.3	20.7	6.9	(s)	0.1	0.1	0.0	7.0	R 0.2	(s)	8.0	R 41.2	19.0	R 60.2		
1995	5.4	0.0	5.4	25.1	4.4	(s)	0.1	0.1	0.0	4.7	R 0.2	(s)	8.1	R 43.4	19.4	R 62.9		
1996	4.9	0.0	4.9	27.0	4.7	(s)	0.1	1.5	0.0	6.4	R 0.2	(s)	8.3	R 46.7	19.6	R 66.4		
1997	5.2	0.0	5.2	26.9	4.3	(s)	0.1	0.4	0.0	4.8	0.1	(s)	8.0	45.1	19.5	64.7		

<sup>a</sup> The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the "Additional Notes" under each type of energy in Appendix A.

<sup>b</sup> Includes supplemental gaseous fuels.

<sup>c</sup> Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

<sup>d</sup> Small amounts of solar energy consumed in the commercial sector cannot be separately identified and are included in residential consumption.

<sup>e</sup> There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of non-electric utility use of renewable energy beginning in 1989.

- =Not applicable. NA=Not available.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Data sources, estimation procedures, and assumptions are described in the appendices to this report.

Table 26. Industrial Energy Consumption Estimates, Selected Years 1960-1997, Alaska

Year	Coal Thousand Short Tons	Natural Gas <sup>a</sup> Billion Cubic Feet	Petroleum									Hydro-electric Power <sup>b</sup> Million kWh	Wood and Waste	Other <sup>b,d</sup>	Electricity <sup>b</sup>		Electrical System Energy Losses <sup>e</sup> Million kWh	Total
			Asphalt and Road Oil <sup>b</sup>	Distillate Fuel <sup>b</sup>	Kero-sene <sup>b</sup>	LPG <sup>b</sup>	Lubri-cants <sup>b</sup>	Motor Gasoline	Residual Fuel <sup>b</sup>	Other <sup>b,c</sup>	Total				Million kWh	Net Energy		
			Thousand Barrels															
1960	256	2	47	878	90	4	4	0	229	0	1,252	0	-	-	45	-	162	-
1965	339	2	132	1,238	0	(s)	1	83	60	284	1,798	0	-	-	59	-	229	-
1970	467	19	274	1,923	14	60	1	107	73	523	2,975	0	-	-	101	-	398	-
1975	594	40	319	2,117	32	130	24	106	31	771	3,530	0	-	-	485	-	1,743	-
1980	0	100	309	1,784	19	119	21	111	14	1,446	3,823	0	-	-	757	-	3,048	-
1985	0	140	485	1,762	4	91	19	406	2,577	5,761	11,105	0	-	-	417	-	1,203	-
1986	0	133	373	1,145	4	81	18	386	4,789	4,828	11,624	0	-	-	466	-	1,330	-
1987	0	184	257	1,005	(s)	79	21	402	1,020	4,329	7,113	0	-	-	520	-	1,344	-
1988	0	221	698	2,016	(s)	72	20	64	0	5,181	8,051	0	-	-	542	-	1,388	-
1989	0	252	274	1,835	(s)	38	21	64	0	4,683	6,914	f NA	-	-	450	-	1,180	-
1990	0	271	269	1,584	(s)	25	21	55	118	4,582	6,654	NA	-	-	459	-	1,224	-
1991	0	299	259	1,954	(s)	17	19	57	280	2,312	4,898	NA	-	-	466	-	1,139	-
1992	0	316	264	1,973	(s)	14	19	58	302	3,377	6,006	NA	-	-	504	-	1,107	-
1993	2	313	43	1,573	4	10	20	40	303	3,028	5,021	NA	-	-	501	-	1,218	-
1994	5	300	66	1,506	(s)	70	20	57	346	3,375	5,441	NA	-	-	511	-	1,217	-
1995	0	358	83	2,287	(s)	85	20	62	381	3,195	6,113	NA	-	-	546	-	1,310	-
1996	2	371	26	2,541	(s)	15	20	64	394	4,138	7,198	NA	-	-	584	-	1,385	-
1997	2	345	55	2,816	(s)	18	21	54	141	4,104	7,208	NA	-	-	756	-	1,834	-

Trillion Btu

1960	5.0	1.9	0.3	5.1	0.5	(s)	(s)	0.0	1.4	0.0	7.4	0.0	R 1.8	0.0	0.2	R 16.2	0.6	R 16.8
1965	6.5	1.8	0.9	7.2	0.0	(s)	(s)	0.4	0.4	1.7	10.6	0.0	R 3.2	0.0	0.2	R 22.3	0.8	R 23.1
1970	8.5	19.6	1.8	11.2	0.1	0.2	(s)	0.6	0.5	3.1	17.5	0.0	R 3.7	0.0	0.3	R 49.6	1.4	R 51.0
1975	10.5	40.4	2.1	12.3	0.2	0.5	0.1	0.6	0.2	4.6	20.6	0.0	R 3.5	0.0	1.7	R 76.7	5.9	R 82.6
1980	0.0	100.3	2.1	10.4	0.1	0.4	0.1	0.6	0.1	8.7	22.5	0.0	R 1.8	0.0	2.6	R 127.1	10.4	R 137.5
1985	0.0	140.7	3.2	10.3	(s)	0.3	0.1	2.1	16.2	34.3	66.6	0.0	R 2.1	0.0	1.4	R 210.7	4.1	R 214.9
1986	0.0	134.4	2.5	6.7	(s)	0.3	0.1	2.0	30.1	29.1	70.8	0.0	R 0.5	0.0	1.6	R 207.4	4.5	R 211.9
1987	0.0	185.9	1.7	5.9	(s)	0.3	0.1	2.1	6.4	26.0	42.5	0.0	R 0.5	0.0	1.8	R 230.7	4.6	R 235.3
1988	0.0	222.3	4.6	11.7	(s)	0.3	0.1	0.3	0.0	30.8	47.9	0.0	R 0.6	0.0	1.8	R 272.6	4.7	R 277.4
1989	0.0	251.1	1.8	10.7	(s)	0.1	0.1	0.3	0.0	27.8	40.9	f 0.0	R f 2.0	R f (s)	1.5	R f 295.5	4.0	R f 299.6
1990	0.0	256.7	1.8	9.2	(s)	0.1	0.1	0.3	0.7	27.2	39.5	0.0	R 2.7	R (s)	1.6	R 300.4	4.2	R 304.6
1991	0.0	299.5	1.7	11.4	(s)	0.1	0.1	0.3	1.8	14.1	29.5	0.0	R 2.7	R (s)	1.6	R 333.2	3.9	R 337.1
1992	0.0	316.3	1.8	11.5	(s)	0.1	0.1	0.3	1.9	20.3	35.9	0.0	R 2.8	R (s)	1.7	R 356.8	3.8	R 360.5
1993	(s)	311.5	0.3	9.2	(s)	(s)	0.1	0.2	1.9	18.4	30.1	0.0	R 2.4	R (s)	1.7	R 345.7	4.2	R 349.9
1994	0.1	299.9	0.4	8.8	(s)	0.3	0.1	0.3	2.2	20.4	32.4	0.0	R 2.2	R (s)	1.7	R 336.4	4.2	R 340.5
1995	0.0	360.0	0.5	13.3	(s)	0.3	0.1	0.3	2.4	19.3	36.3	0.0	R 3.1	R (s)	1.9	R 401.3	4.5	R 405.8
1996	(s)	367.4	0.2	14.8	(s)	0.1	0.1	0.3	2.5	24.9	42.8	0.0	R 3.0	R (s)	2.0	R 415.3	4.7	R 420.0
1997	(s)	344.9	0.4	16.4	(s)	0.1	0.1	0.3	0.9	24.6	42.8	0.0	2.3	(s)	2.6	392.6	6.3	398.8

<sup>a</sup> Includes supplemental gaseous fuels.

<sup>b</sup> The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the "Additional Notes" under each type of energy in Appendix A.

<sup>c</sup> "Other" is the subtotal of 16 petroleum products. See a full description in Appendix A, Section 4, "Other Petroleum Products."

<sup>d</sup> "Other" is geothermal, wind, photovoltaic, and solar thermal energy. See Appendix A, Section 5, for explanation of estimation methodology.

<sup>e</sup> Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

<sup>f</sup> There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of non-electric utility use of renewable energy beginning in 1989.

R=Revised data.

kWh=kilowatthours. --=Not applicable. NA=Not available.

(s)=Btu value less than 0.05 and physical unit value less than 0.5.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Data sources, estimation procedures, and assumptions are described in the appendices to this report.

**Table 27. Transportation Energy Consumption Estimates, Selected Years 1960-1997, Alaska**

Year	Coal <sup>a</sup>	Natural Gas <sup>b</sup>	Petroleum								Ethanol <sup>c</sup>	Electricity <sup>a</sup>	Net Energy	Electrical System Energy Losses <sup>d</sup>	Total <sup>c</sup>
			Aviation Gasoline <sup>a</sup>	Distillate Fuel <sup>a</sup>	Jet Fuel <sup>a</sup>	LPG <sup>a</sup>	Lubricants <sup>a</sup>	Motor Gasoline	Residual Fuel <sup>a</sup>	Total				Million Kilowatthours	
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels								Thousand Gallons	Million Kilowatthours	Million Kilowatthours	Total <sup>c</sup>	
1960	5	(s)	1,032	528	1,972	0	3	1,527	15	5,077	0	0	-	0	-
1965	1	0	293	789	3,005	(s)	40	2,113	66	6,307	0	0	-	0	-
1970	1	17	462	1,000	6,735	1	59	2,267	135	10,659	0	0	-	0	-
1975	(s)	(s)	466	2,157	7,420	0	121	3,658	484	14,305	0	0	-	0	-
1980	0	(s)	498	2,605	9,618	4	94	3,306	0	16,125	0	0	-	0	-
1985	0	5	490	5,840	15,231	14	86	4,964	19	26,643	0	0	-	0	-
1986	0	6	617	4,065	16,187	9	84	4,839	113	25,914	0	0	-	0	-
1987	0	2	208	3,912	14,850	6	95	4,751	118	23,940	0	0	-	0	-
1988	0	2	407	3,981	16,899	8	91	5,205	140	26,732	0	0	-	0	-
1989	0	2	491	6,372	18,586	7	94	4,963	118	30,632	<sup>e</sup> 0	0	-	0	-
1990	0	2	491	6,601	17,367	6	96	5,747	140	30,448	0	0	-	0	-
1991	0	3	618	4,750	17,116	4	86	4,963	73	27,611	0	0	-	0	-
1992	0	3	459	4,845	14,720	4	88	5,766	316	26,199	0	0	-	0	-
1993	0	3	410	4,754	14,693	2	90	5,928	119	25,995	0	0	-	0	-
1994	0	3	171	3,510	16,080	4	94	6,475	102	26,435	32	0	-	0	-
1995	0	2	389	5,243	16,921	2	92	7,065	116	29,828	7,553	0	-	0	-
1996	0	2	142	3,239	18,652	4	89	6,377	4	28,507	8,659	0	-	0	-
1997	0	5	407	4,325	21,099	3	94	6,187	2	32,118	7,240	0	-	0	-

**Trillion Btu**

1960	0.1	(s)	5.2	3.1	10.6	0.0	(s)	8.0	0.1	27.1	0.0	0.0	27.1	0.0	27.1
1965	(s)	0.0	1.5	4.6	16.5	(s)	0.2	11.1	0.4	34.4	0.0	0.0	34.4	0.0	34.4
1970	(s)	17.4	2.3	5.8	37.7	(s)	0.4	11.9	0.9	59.0	0.0	0.0	76.4	0.0	76.4
1975	(s)	0.1	2.4	12.6	41.7	0.0	0.7	19.2	3.0	79.6	0.0	0.0	79.7	0.0	79.7
1980	0.0	0.1	2.5	15.2	54.0	(s)	0.6	17.4	0.0	89.7	0.0	0.0	89.8	0.0	89.8
1985	0.0	5.2	2.5	34.0	85.8	0.1	0.5	26.1	0.1	149.0	0.0	0.0	154.2	0.0	154.2
1986	0.0	6.0	3.1	23.7	91.2	(s)	0.5	25.4	0.7	144.7	0.0	0.0	150.7	0.0	150.7
1987	0.0	2.1	1.0	22.8	83.6	(s)	0.6	25.0	0.7	133.7	0.0	0.0	135.9	0.0	135.9
1988	0.0	2.0	2.1	23.2	95.2	(s)	0.6	27.3	0.9	149.2	0.0	0.0	151.2	0.0	151.2
1989	0.0	1.9	2.5	37.1	104.7	(s)	0.6	26.1	0.7	171.7	<sup>e</sup> 0.0	0.0	<sup>e</sup> 173.6	0.0	<sup>e</sup> 173.6
1990	0.0	1.6	2.5	38.4	97.9	(s)	0.6	30.2	0.9	170.5	0.0	0.0	172.2	0.0	172.2
1991	0.0	2.6	3.1	27.7	96.1	(s)	0.5	26.1	0.5	154.0	0.0	0.0	156.6	0.0	156.6
1992	0.0	2.9	2.3	28.2	82.9	(s)	0.5	30.3	2.0	146.3	0.0	0.0	149.2	0.0	149.2
1993	0.0	2.8	2.1	27.7	83.2	(s)	0.5	31.1	0.7	145.4	0.0	0.0	148.3	0.0	148.3
1994	0.0	3.0	0.9	20.4	91.2	(s)	0.6	34.0	0.6	147.7	(s)	0.0	150.7	0.0	150.7
1995	0.0	2.4	2.0	30.5	95.9	(s)	0.6	37.1	0.7	166.8	0.6	0.0	169.3	0.0	169.3
1996	0.0	2.0	0.7	18.9	105.8	(s)	0.5	33.5	(s)	159.4	0.7	0.0	161.4	0.0	161.4
1997	0.0	4.9	2.1	25.2	119.6	(s)	0.6	32.5	(s)	180.0	0.6	0.0	184.9	0.0	184.9

<sup>a</sup> The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the "Additional Notes" under each type of energy in Appendix A.

<sup>b</sup> Includes supplemental gaseous fuels. Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, is also gas consumed as vehicle fuel.

<sup>c</sup> Ethanol blended into motor gasoline, which is accounted for under motor gasoline, is shown separately here to display the use of renewable energy by the transportation sector and is included only once in the total.

<sup>d</sup> Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

<sup>e</sup> There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of non-electric utility use of renewable energy beginning in 1989.

- =Not applicable.

(s)=Btu value less than 0.05 and physical unit value less than 0.5.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Data sources, estimation procedures, and assumptions are described in the appendices to this report.

**Table 28. Estimates of Energy Input at Electric Utilities, Selected Years 1960-1997, Alaska**

Year	Coal			Natural Gas <sup>a</sup>	Petroleum				Nuclear Electric Power	Hydroelectric Power <sup>e</sup>	Wood and Waste	Geothermal Energy	Other <sup>b,f</sup>	Total <sup>g</sup>
	Bituminous Coal and Lignite	Anthracite	Total		Heavy Oil <sup>b,c</sup>	Light Oil <sup>b,d</sup>	Petroleum Coke <sup>b</sup>	Total						
	Thousand Short Tons				Thousand Barrels									
1960	52	0	52	0	3	95	0	99	0	290	0	0	0	-
1965	151	0	151	2	4	308	0	312	0	350	0	0	0	-
1970	249	0	249	8	5	394	0	399	0	363	0	0	0	-
1975	257	0	257	20	1	694	0	696	0	357	0	0	0	-
1980	273	0	273	29	353	538	0	891	0	539	0	0	0	-
1985	296	0	296	34	476	518	0	994	0	748	0	0	(s)	-
1986	272	0	272	34	529	437	0	966	0	809	0	0	0	-
1987	274	0	274	31	306	421	0	727	0	872	0	0	0	-
1988	276	0	276	31	264	424	0	688	0	935	0	0	0	-
1989	299	0	299	33	230	506	0	736	0	873	0	0	0	-
1990	290	0	290	34	171	486	0	658	0	975	0	0	0	-
1991	298	0	298	31	240	530	0	769	0	896	0	0	0	-
1992	277	0	277	29	147	608	0	755	0	918	0	0	0	-
1993	298	0	298	28	306	538	0	845	0	1,303	0	0	0	-
1994	271	0	271	29	281	573	0	854	0	1,345	0	0	0	-
1995	293	0	293	30	257	592	0	849	0	1,372	0	0	0	-
1996	229	0	229	31	515	655	0	1,171	0	1,267	0	0	0	-
1997	235	0	235	34	723	598	0	1,321	0	1,100	0	0	0	-

  

Trillion Btu														
1960	0.9	0.0	0.9	0.0	(s)	0.6	0.0	0.6	0.0	3.1	0.0	0.0	0.0	4.6
1965	2.7	0.0	2.7	2.2	(s)	1.8	0.0	1.8	0.0	3.7	0.0	0.0	0.0	10.3
1970	4.3	0.0	4.3	8.2	(s)	2.3	0.0	2.3	0.0	3.8	0.0	0.0	0.0	18.6
1975	4.5	0.0	4.5	19.7	(s)	4.0	0.0	4.1	0.0	3.7	0.0	0.0	0.0	32.0
1980	4.3	0.0	4.3	28.9	2.2	3.1	0.0	5.4	0.0	5.6	0.0	0.0	0.0	44.2
1985	4.7	0.0	4.7	34.4	3.0	3.0	0.0	6.0	0.0	7.8	0.0	0.0	(s)	52.9
1986	4.3	0.0	4.3	34.6	3.3	2.5	0.0	5.9	0.0	8.4	0.0	0.0	0.0	53.2
1987	4.3	0.0	4.3	30.7	1.9	2.4	0.0	4.4	0.0	9.1	0.0	0.0	0.0	48.5
1988	4.4	0.0	4.4	31.0	1.7	2.5	0.0	4.1	0.0	9.7	0.0	0.0	0.0	49.2
1989	4.7	0.0	4.7	32.9	1.4	2.9	0.0	4.4	0.0	9.1	0.0	0.0	0.0	51.2
1990	4.6	0.0	4.6	34.6	1.1	2.8	0.0	3.9	0.0	10.1	0.0	0.0	0.0	53.2
1991	4.7	0.0	4.7	31.4	1.5	3.1	0.0	4.6	0.0	R 9.4	0.0	0.0	0.0	50.0
1992	4.4	0.0	4.4	29.0	0.9	3.5	0.0	4.5	0.0	9.5	0.0	0.0	0.0	47.3
1993	4.7	0.0	4.7	28.0	1.9	3.1	0.0	5.1	0.0	13.4	0.0	0.0	0.0	51.2
1994	4.3	0.0	4.3	29.0	1.8	3.3	0.0	5.1	0.0	13.9	0.0	0.0	0.0	52.3
1995	4.6	0.0	4.6	29.9	1.6	3.4	0.0	5.1	0.0	14.1	0.0	0.0	0.0	53.7
1996	3.6	0.0	3.6	31.2	3.2	3.8	0.0	7.1	0.0	13.1	0.0	0.0	0.0	55.0
1997	3.7	0.0	3.7	33.5	4.5	3.5	0.0	8.0	0.0	11.3	0.0	0.0	0.0	56.6

<sup>a</sup> Includes supplemental gaseous fuels.

<sup>b</sup> The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the "Additional Notes" under each type of energy in Appendix A.

<sup>c</sup> Prior to 1980, based on oil used in steam plants. Since 1980, heavy oil includes fuel oil nos. 4, 5, and 6 and residual fuel oils.

<sup>d</sup> Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. Since 1980, light oil includes fuel oil nos. 1 and 2, kerosene, and jet fuel.

<sup>e</sup> If applicable, through 1989, includes all net imports of electricity, and, from 1990, includes only the portion of imports of electricity that is derived from hydroelectric power.

<sup>f</sup> "Other" is electricity generated for distribution from wind, photovoltaic, and solar thermal energy.

<sup>g</sup> If applicable, from 1990, includes net imports of electricity generated from nonrenewable energy sources not shown in other columns. See data in appendix Table A8.

R=Revised data.

- =Not applicable.

(s)=Btu value less than 0.05 and physical unit value less than 0.5.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Data sources, estimation procedures, and assumptions are described in the appendices to this report.